## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits   | Search Query DBs Default Operator |   | 12  | Plurals | Time Stamp          |  |
|------|--------|-----------------------------------|---|---|---------|---------------------|--|
| L1   | 2250   | 600/509.ccls.                     | US-PGPUB;<br>USPAT  | OR  | ON      | 2011/09/26<br>18:16 |  |
| L2   | 2355   | 600/509.ccls.                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;     |         | 2011/09/26<br>18:16 |  |
| L3   | 166    | 600/511.ccls.                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON      | 2011/09/26<br>18:18 |  |
| L4   | 745    | 600/515.ccls.                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON      | 2011/09/26<br>18:19 |  |
| L5   | 1240   | 600/508.ccls.                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | US-PGPUB; OR USPAT; USOCR; FPRS; EPO; JPO; DERWENT; |         | 2011/09/26<br>18:23 |  |
| S1   | 285508 | James.in.                         | US-PGPUB;<br>USPAT  | OR  | ON      | 2007/10/02<br>07:59 |  |
| S2   | 30588  | S1 and David                      | US-PGPUB;<br>USPAT  | B; OR C   |         | 2007/10/02<br>07:59 |  |
| S3   | 18645  | (David AND James).in.             | US-PGPUB;<br>USPAT  |   |         | 2007/10/02<br>07:59 |  |
| S4   | 1057   | S3 AND fetal                      | US-PGPUB;<br>USPAT  | OR ON   |         | 2007/10/02<br>08:01 |  |
| S5   | 1003   | S3 AND fetal\$                    | US-PGPUB;<br>USPAT  | OR  | ON      | 2007/10/02<br>08:01 |  |

| <b>S</b> 6 | 24    | ("3827428"   "3910271"   "3986497"   "4080961"   "4149528"   "4254764"   "4301806"   "4320764"   "4321931"   "4501276"   "4577635"   "4644957"   "4911657"   "4913151"   "4934371"   "4951680"   "5012811"   "5046965"   "5062426"   "5168876"   "5199432"   "5205288"   "5215090"   "Re28990"). PN. | US-PGPUB;<br>USPAT; USOCR           | OR | ON | 2007/10/02<br>08:04 |
|------------|-------|--|-------------------------------------|----|----|---------------------|
| S7         | 76    | "4781200"  | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | OR | ON | 2007/10/02<br>08:17 |
| S8         | 1     | "10089997"   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | OR | ON | 2007/10/02<br>08:18 |
| S9         | 103   | 600/511.ccls.  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/15<br>08:12 |
| S10        | 5948  | (fetal or fetus) with heart  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>16:28 |
| S11        | 451   | S10 and (fetus or baby) with position  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>13:30 |
| S12        | 289   | S11 and (ECG or EKG or electrocardio\$)  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>13:30 |
| S13        | 25    | "5509425"  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>14:23 |
| S14        | 18    | "5596993"  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>14:23 |
| S15        | 1518  | S10 and (fetal and presentation\$)   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>16:33 |
| S16        | 13842 | (fetal and presentation\$)   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>16:33 |
| S17        | 2126  | (fetal and presentation\$)<br>and @py<= "2000"   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/02<br>16:34 |
| S18        | 13842 | (fetal and presentation\$)   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:16 |
| S19        | 13842 | S18  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:16 |
| S20        | 123   | (fetal\$ with presentation)  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:19 |
| S21        | 7     | (fetal\$ with presentation) and cephalic   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:29 |
| S22        | 24    | (fetal\$ with cephalic)  | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:24 |
| S23        | 16    | (fetal\$ with cephalic) AND<br>@py <= "2004"   | US-PGPUB;<br>USPAT                  | OR | ON | 2007/10/03<br>06:25 |

| S24 | 2     | ("4136679").URPN.   | USPAT                                    | OR | ON | 2007/10/03<br>06:28 |
|-----|-------|---|--|----|----|---------------------|
| S25 | 332   | (vertex and fetal\$)  | USPAT                                    | OR | ON | 2007/10/03<br>06:28 |
| S26 | 221   | S25 AND @py <= "2004"   | USPAT                                    | OR | ON | 2007/10/03<br>06:29 |
| S27 | 7     | (fetal\$ with presentation)<br>and cephalic                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/03<br>06:29 |
| S28 | 2     | ("4136679").URPN.   | USPAT                                    | OR | ON | 2007/10/03<br>06:30 |
| S29 | 29    | (rotation and fetal) with head                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2007/10/03<br>06:31 |
| S30 | 2     | 10/857107   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/03<br>09:21 |
| S31 | 1     | 10/595378   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/03<br>09:21 |
| S32 | 104   | 600/511.ccls.   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>10:48 |
| S33 | 13988 | 600/511.ccls. (fetal and presentation\$)                            | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/12<br>08:28 |
| S34 | 16    | 600/511.ccls. and (fetal and presentation\$)                        | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>09:20 |
| S35 | 15    | S32 and (fetal and templates)                                       | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/12<br>08:43 |
| S36 | 15    | \$32 and (fetal and template<br>\$)                                 | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/12<br>08:51 |
| S37 | 71    | S32 and (fetal and move\$)  | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/12<br>08:51 |
| S38 | 61705 | (fetal\$ and phase\$)   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:12 |
| S39 | 0     | fetal\$ NEAR (phase and change)                                     | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:13 |
| S40 | 87    | fetal\$ with (phase and change)                                     | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:33 |
| S41 | 9     | "5666959"   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:33 |
| S42 | 5     | S41 and templates   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:42 |
| S43 | 2     | S41 and (maternal and abdomen)                                      | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>08:42 |
| S44 | 8     | 600/511.ccls. and ((fetal<br>and presentation\$) and<br>template\$) | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>09:20 |
| S45 | 1     | 10/595378   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>09:45 |
| S46 | 29    | 600/511.ccls. and magnitude   | US-PGPUB;<br>USPAT                       | OR | ON | 2007/10/15<br>10:48 |

| S47 | 36   | "4211237"                             | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/20<br>16:56 |
|-----|------|---------------------------------------|---|----|-----|---------------------|
| S48 | 1    | "10595378" and (fetal same movements) | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/20<br>17:09 |
| S49 | 1    | "10595378"                            | US-PGPUB; OR C<br>USPAT   |    | ON  | 2008/08/21<br>20:11 |
| S50 | 21   | "5596993"                             | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/21<br>20:33 |
| S51 | 1534 | 600/509.cds.                          | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/21<br>20:41 |
| S52 | 0    | "200502677376"                        | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/21<br>20:45 |
| S53 | 2    | "20050267376"                         | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/21<br>20:45 |
| S54 | 112  | 600/511.ccls.                         | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/21<br>20:46 |
| S55 | 563  | 600/515.OCLS.                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/21<br>20:47 |
| S56 | 9    | "5088498"                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/21<br>20:48 |
| S57 | 2948 | fetal same position                   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>11:03 |
| S58 | 2    | S57 and (chang\$4 same postion)       | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>11:03 |
| S59 | 138  | S57 and (spatial same position)       | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>11:04 |
| S60 | 43   | S59 and @py<="2003"                   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>11:04 |
| S61 | 1640 | 600/509.ccls.                         | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>13:22 |
| S62 | 118  | 600/511.ccls.                         | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/14<br>14:26 |
| S63 | 590  | 600/515.ccls.                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/14<br>14:28 |
| S64 | 2    | "10595378"                            | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:42 |
| S65 | 2    | S64 and (input same electrodes)       | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:43 |

| S66 | 2    | S64 and (waveform same processor)                               | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:43 |
|-----|------|---|---|----|-----|---------------------|
| S67 | 1    | S64 and (processor same shape)                                  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:45 |
| S68 | 2    | S64 and (chang\$4 same presentation)                            | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:46 |
| S69 | 47   | (ECG or (cadiac same<br>signal)) same (fet\$4 same<br>position) | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>09:48 |
| S70 | 27   | "5538005" and (position or presentation)                        | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>10:03 |
| S71 | 5    | "0126545"   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>10:14 |
| S72 | 0    | "200126545"   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19<br>10:14 |
| S73 | 7    | "0126545"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/19<br>10:14 |
| S74 | 135  | 600/511.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/19<br>10:24 |
| S75 | 10   | "5666959" and<br>(presentation or position)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/19<br>11:35 |
| S76 | 1867 | 600/509.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:33 |
| S77 | 5    | "03055386"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:37 |
| S78 | 144  | 600/511.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:37 |

| S79 | 220 | fetal same (body same<br>(movement\$2 or orientation<br>\$2))      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:44 |
|-----|-----|--|---|----|-----|---------------------|
| S80 | 17  | S79 and ((maternal and fetal) same (ECG oo EKG))                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:44 |
| S81 | 144 | 600/511.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:49 |
| S82 | 66  | S81 and (fetal same (orient<br>\$4 or move\$4 or displace<br>\$4)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>22:50 |
| S83 | 2   | "20020193670" and<br>(electrode\$2 or sensor\$2)                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>23:05 |
| S84 | 1   | "20010014776" and<br>(electrode\$2 or sensor\$2)                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/05<br>23:29 |
| S85 | 3   | "6016445" and implantable  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/18<br>18:51 |
| S86 | 22  | "6016445"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/18<br>19:08 |
| S87 | 2   | "20030236468"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/18<br>19:11 |

| S88 | 30   | ((implantable and external) same electrodes) same ((measure or estimate or calculate) same impedance) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/18<br>19:14 |
|-----|------|---|---|----|-----|---------------------|
| S89 | 64   | "5201865"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/18<br>19:50 |
| S90 | 1    | "20010014776" and (fetal<br>and maternal)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/18<br>17:18 |
| S91 | 1    | "20010014776" and<br>maternal   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/18<br>17:21 |
| S92 | 2    | "20010014776" andadult  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/18<br>17:21 |
| S93 | 1    | "20010014776" and adult   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/18<br>17:22 |
| S94 | 14   | "4211237" and (fetal same<br>maternal)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/18<br>17:23 |
| S95 | 2035 | 600/509.ccls.   | US-PGPUB;<br>USPAT  | OR | ON  | 2010/12/18<br>17:18 |
| S96 | 142  | 600/511.ccls.   | US-PGPUB;<br>USPAT  | OR | ON  | 2010/12/18<br>17:26 |
| S97 | 540  | 600/513.cds.  | US-PGPUB;<br>USPAT  | OR | ON  | 2010/12/18<br>17:27 |
| S98 | 12   | "1062970"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/25<br>11:30 |

| S99  | 0    | "102008007542.6" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/05/25<br>11:35 |
|------|------|------------------|---|---|-----|---------------------|
| S100 | 4    | "20080075"       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/05/25<br>11:36 |
| S101 | 12   | "200800754"      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/05/25<br>11:36 |
| S102 | 2191 | doerr.in.        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/05/25<br>11:36 |
| S103 | 1    | "200126545"      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | US-PGPUB; OR USPAT; USOCR; FPRS; EPO; JPO; DERWENT; |     | 2011/05/26<br>13:02 |
| S104 | 21   | "1220640"        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2011/05/26<br>13:02 |
| S105 | 3    | "200076734"      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2011/05/26<br>13:05 |
| S106 | 1204 | 600/508.ccls.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2011/05/26<br>13:38 |

## **EAST Search History (Interference)**

| Het# Hits | Search Query  | DBs         | Default Operator | Plurals | Time Stamp       |
|-----------|---------------|-------------|------------------|---------|------------------|
| S107 1093 | 600/509.ccls. | USPAT; UPAD | OR               | ON      | 2011/05/26 12:56 |

| S108 | 0    | "200126545"   | USPAT; UPAD | OR | ON | 2011/05/26 13:02 |
|------|------|---------------|-------------|----|----|------------------|
| S109 | 104  | 600/511.ccls. | USPAT; UPAD | OR | ON | 2011/05/26 13:12 |
| S110 | 491  | 600/515.CCLS. | USPAT; UPAD | OR | ON | 2011/05/26 13:25 |
| S111 | 1140 | 600/509.CCLS. | USPAT; UPAD | OR | ON | 2011/09/12 21:08 |
| S112 | 104  | 600/511.CCLS. | USPAT; UPAD | OR | ON | 2011/09/12 21:11 |
| S113 | 508  | 600/515.CCLS. | USPAT; UPAD | OR | ON | 2011/09/12 21:21 |

## 9/26/2011 6:25:41 PM

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